

Professional and Managerial Branch  
Miscellaneous Professional Group  
Sciences Series

GEOLOGIST

08/90

## CHARACTERISTICS OF THE CLASS:

Under general supervision participates in determining ground water storage volumes, geological and hydrological relationships in aquifer systems and location of new water wells; performs related duties as required.

## EXAMPLES OF DUTIES:

Collects and analyzes ground water and geologic data; compiles test pumping data to compute aquifer and well characteristics; assists in the design and location of water wells based on geologic data; monitors ground water and conducts continuous ground monitoring studies; operates an electric logger and interprets logs; assists in drawing water table maps and isopachous maps of fresh water thickness; cages wells after completion; observes and inspects construction and drilling of wells; compiles motor and pump data of well and booster station equipment; maintains records and prepares reports; enters, retrieves and interprets data from a personal computer.

## MINIMUM QUALIFICATIONS:

Training and Experience: Graduation from an accredited college or university with a Bachelor's Degree in Geology, Ground Water Hydrology or related field or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Some knowledge of the practices, methods and techniques of Geology and Ground Water Hydrology; some knowledge of the use and care of a personal computer and applications software.

Ability to use electronic logging equipment; ability to collect and interpret data relating to groundwater and aquifers; ability to prepare water table and isopachous maps; ability to establish and maintain effective working relationships with fellow employees and the general public; ability to maintain records and prepare reports.

Skill in the use and care of electronic loggers and personal computers.

Physical Requirements: Mobility within an office, field and well-drilling environment; operate a motor vehicle through City traffic.

Licenses and Certificates: Texas Class "C" Driver's License or equivalent license issued by another state.

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Director of Personnel

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Department Head